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Polytechnic Alum Dr. Henry Berger Accepts Emeritus Position

Dr. Henry Berger, a researcher at the U.S. Army Corps of Engineers' Engineer Research and Development Center's (ERDC) Topographic Engineering Center, Alexandria Va., has accepted a position in ERDC's Emeritus Program following his recent retirement from the federal government. His participation in the program will allow him to continue his research efforts for the next 5 years. Dr. Berger holds a doctorate in electrophysics from the Polytechnic University of New York (formerly the Polytechnic Institute of Brooklyn). He has postgraduate experience in government, university-linked and industrial research and research and development, project management, and part-time teaching of advance mathematics at the university level.

In May 2003, Dr. Berger was the co-recipient of a patent titled "Method of processing measurement data having errors due to unpredictable non-uniformity illumination of detectors." The reduction of errors and distortions in digital remotely sensed imagery is of primary interest to the photogrammetric community. Errors are introduced at every stage in the process, from the

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differing characteristics of the sensor, optical system, atmosphere, and illumination of the geographic area that is imaged. The latter group of errors is the focus of the patent. Application of this patent will allow for the reduction of errors introduced through sensor illumination of the target area. Dr. Berger has two patents pending.

The ERDC is the premier research and development facility for the Corps of Engineers. It consists of seven laboratories at four geographical sites, with more than 2,000 employees, $1.2 billion in facilities, and an annual research program exceeding $570 million. It conducts research in both military and civil works mission areas for the Department of Defense and the nation. Its primary mission areas include military engineering, battlespace environment, facilities and infrastructure, environmental quality, and water resources.

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